

plurality of path sections of the network and a plurality of path points located at said path sections of the network, and each path point having associated with it a traffic information unit adapted at least to detect the arrival of objects at the respective path point and to output a corresponding object arrival information, comprising:
a packet switched control network on a traffic control layer in which the packet traffic constituted by a plurality of packets being routed along a plurality of packet routing links is controlled by a plurality of packet control units located at said packet routing links for controlling the packet traffic in said packet switched control network such that each packet routed along a respective packet routing link corresponds to one object moving on a corresponding path section; each packet control unit being ~~constituted as defined in claim 1 or claim 2 or claim 3~~ and being adapted to send, with the respective transmission device, as a source packet control unit respective packets onto a packet routing link to a succeeding target packet control unit on the basis of a respective routing decision in accordance with a predetermined packet routing method used in said packet switched control network for the controlling of said packet traffic; wherein said packet switched control network on the traffic control layer is configured in such a way that packet routing links correspond to path sections; and packet control units correspond to path points; wherein when a traffic information unit detects the arrival of an object at its associated path point and outputs a corresponding object arrival information, and an arrival packet control unit corresponding to said path point does not detect the arrival of a packet corresponding to said object, a synchronization ~~synchronisation~~ packet control unit is adapted to send a packet corresponding to said object to said arrival packet control unit to synchronize the packet routing and the object movement. —

 Please amend the following paragraph beginning on page ⁷~~8~~ as follows:

-- This object is also solved by a traffic management system for managing in a network the object traffic formed, on a physical layer, by a plurality of objects moving along a plurality of path sections of the network and a plurality of path points located at said path sections of the network, and each path point having associated with it a traffic